

# Financial Services Sector (FSS) Critical Infrastructure Protection (CIP)



**CIP 101**



# Agenda

- **Define CIP**
- **Discuss CIP at DoD**
- **Explain DoD FSS CIP**
- **Introduce CIPFIN**



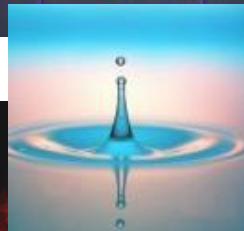
# What is CIP?

- **National policy/organization for effecting a private-public partnership to assure critical infrastructure protection**
- **Protects physical and cyber-based assets critical to minimum operation of the economy and government**



# What are Critical Infrastructures?

- **Telecommunications**
- **Energy**
- **Banking and finance**
- **Transportation**
- **Water supply systems**
- **Emergency services**
- **Government operations**





# CIP Has Two Goals

- **Quickly identify and eliminate any significant vulnerability to critical physical and cyber infrastructures**
- **Provide assurance that the business continuity of the functions supported by critical infrastructures remains viable in the event of attack or environmental event**



# National CIP Guidance

**July 1996**

## **Executive Order 13010**

- Established President's Commission on Critical Infrastructure Protection (PCCIP)
- Mission to recommend comprehensive national policy and implementation strategy for protecting Nation's critical infrastructures from physical and cyber threats

**2000**

## **National Plan - Defending America's Cyberspace**

- Discussed current threats facing Nation
- Outlined plan, goals and framework that Government, partnered with the private sector, will use to address threats

**December 2003**

## **Homeland Security Presidential Directive (HSPD-7)**

- Assigns DoD as the lead agency in protecting the Defense Industrial Base

**May 1998**

## **Presidential Decision Directive (PDD-63)**

- Responded to PCCIP findings
- Established every Department and Agency responsible for protecting physical and cyber critical infrastructures
- Required strong partnership with Private Sector

**October 2001**

## **Executive Order 13228, "Establishing the Office of Homeland Security and the Homeland Security Council"**

- Charged office and council with the mission to detect, prepare for, prevent, protect against, respond to, and recover from terrorist attacks with the United States

**August 2005**

## **Department of Defense Directive 3020.40 "Defense Critical Infrastructure Program (DCIP),"**

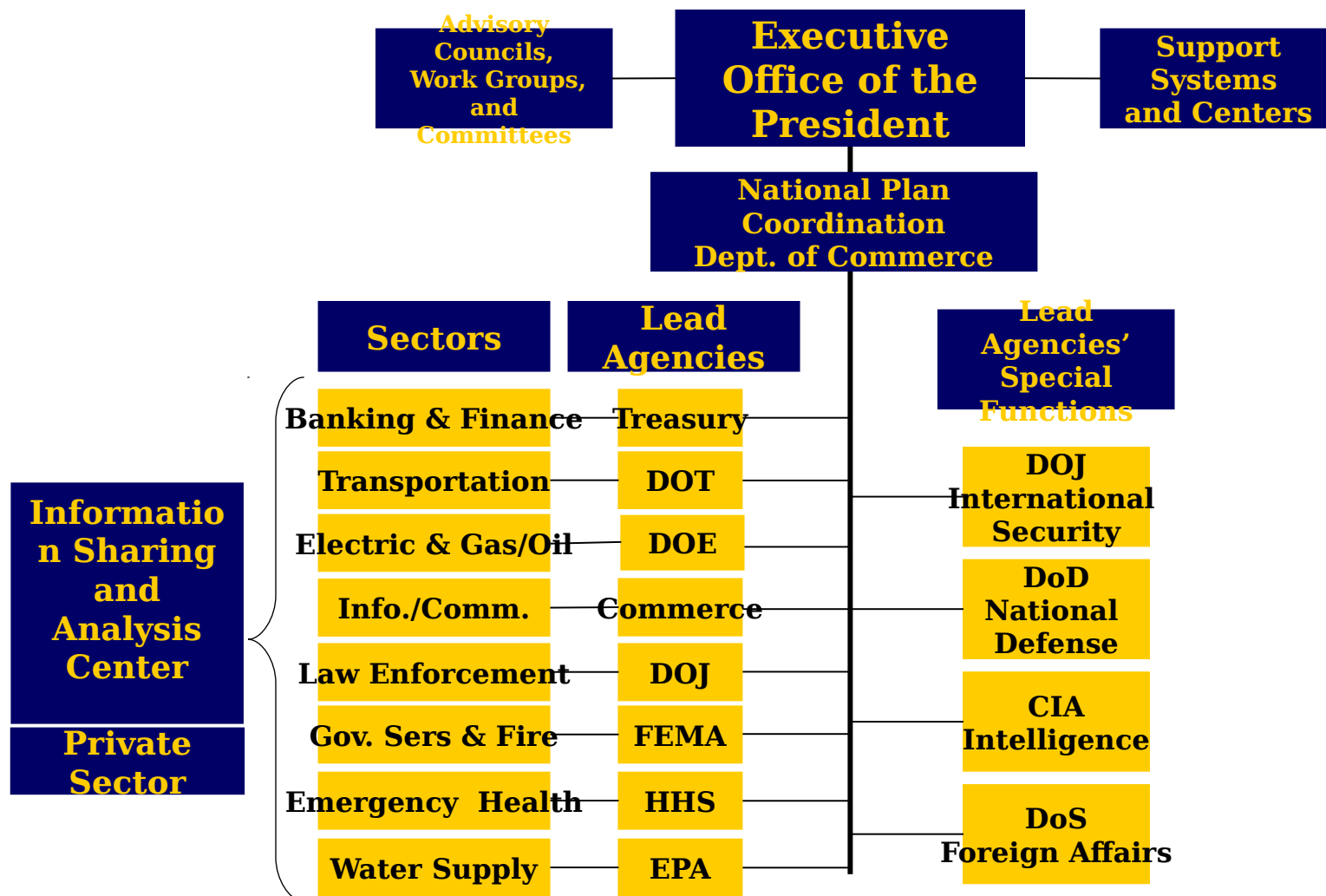
- Updates policy, and assigns responsibilities for the DCIP incorporating guidance from HSPD-7 to function as the Sector-Specific Agency for the Defense Industrial Base (DIB)

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# National CIP Organization Structure



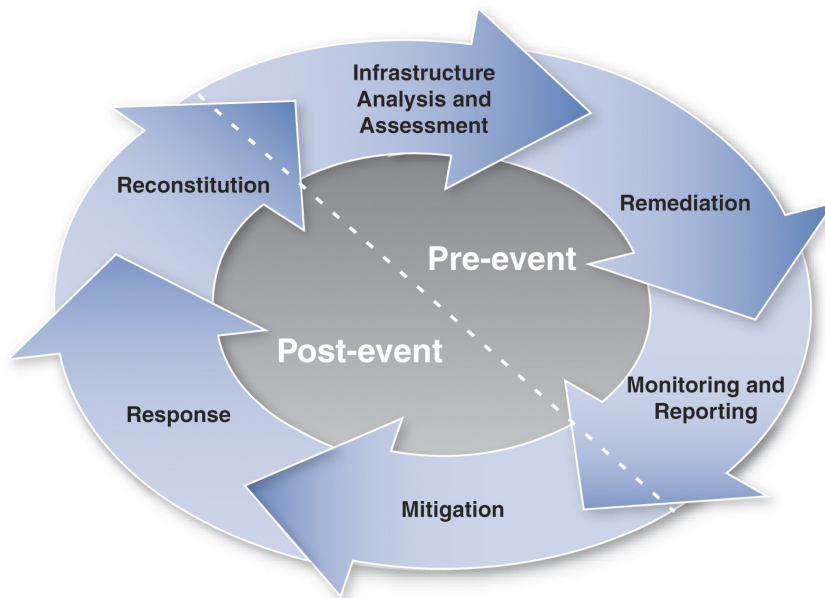
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# How is CIP Implemented?

- **CIP lifecycle includes six activities**



- 1. Analysis & Assessment**
- 2. Remediation**
- 3. Indications & Warnings**
- 4. Mitigation**
- 5. Response**
- 6. Reconstitution**

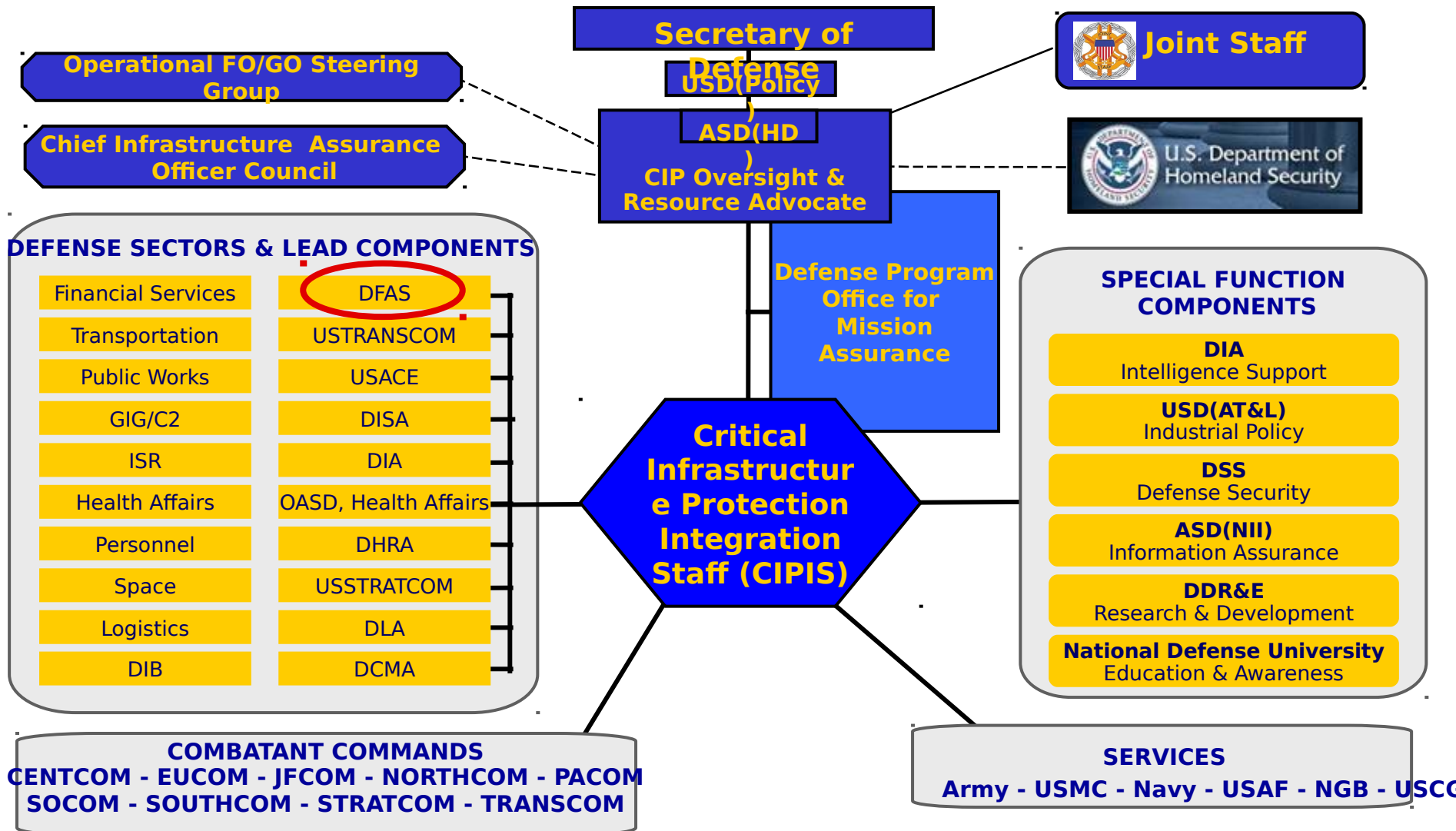


# What is CIP at DoD?

- **DoD leads critical infrastructure protection activities related to national defense**
- **DoD CIP Program (DCIP) coordinates identification, assessment, assurance/protection and real-time monitoring of cyber and physical infrastructures essential to the execution of the National Military Strategy**



# How is DCIP Organized?



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# What are the FSS CIP Goals?

- **Lead planning and coordination of CIP activities with all components that own and/or operate elements of the DoD Financial Services Sector**
- **Create a comprehensive and current database of DoD financial services infrastructure key components**
- **Create awareness of database development within all DoD elements that support financial functions**
- **Coordinate efforts with each of the military services and executive agencies**



# FSS Uses CIPFIN to Prioritize Assets

- **Use a decision support tool to analyze assets**
- **Develop a supporting database, Critical Infrastructure Protection for Finance (CIPFIN), to support analysis**
- **Analyze assets using three steps**
  - **Collect physical and cyber asset characteristics**
  - **Identify asset dependencies**
  - **Determine relative priority of assets**





- **Helps determine assets criticality, vulnerability, and risk reduction strategies**
- **Assists Military Services and DoD Executive Agency leadership plan and evaluate CIP efforts**
- **Enables Combatant Commander staffs and Operation Center Watch Teams to better assess exercises and actual threats/events**



- **Websites:**
  - **DCIP Education, Training, and Outreach Website**
  - **[http://www.dod-map.msiac.dmsso.mil/ed\\_outreach\\_survey.htm](http://www.dod-map.msiac.dmsso.mil/ed_outreach_survey.htm)**
  - **DoD Directive 3020**
  - **<http://www.dtic.mil/whs/directives/corres/dir1.html>**
  - **FSS CIP Website**
  - **<http://www.dod.mil/dfas/fsscip>**



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